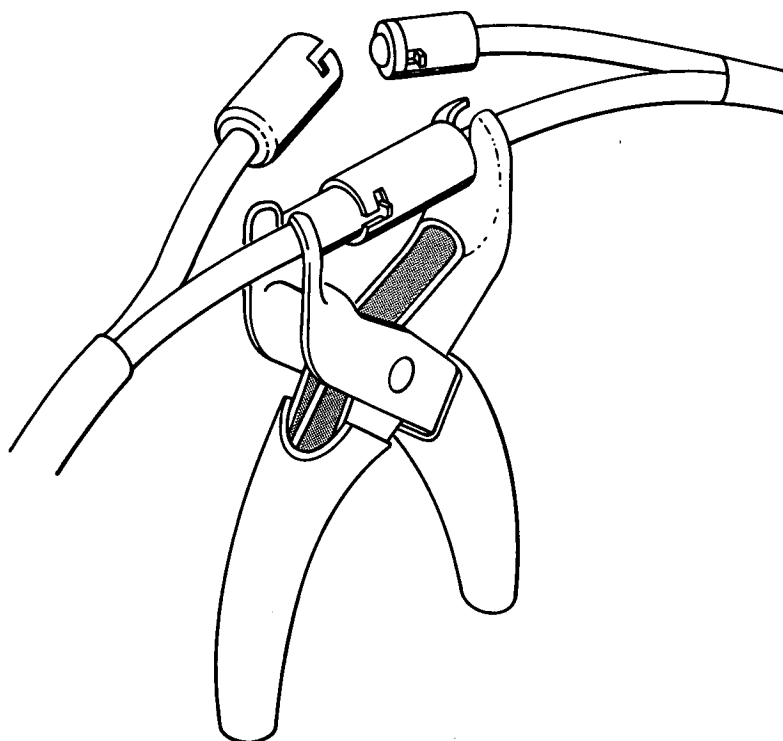


NASA TECH BRIEF



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Modified Pliers Facilitate Coupling of Bayonet-Type Connectors



The problem:

To devise a tool to couple (or uncouple) spring-loaded bayonet-type connectors quickly and easily. These connectors are small, hard to grasp, and considerable force is required to compress the two portions together before twist-locking them. This hand operation is time consuming and tedious.

The solution:

Modify a single-tube hole punch or grommet-setting pliers by removing the anvil and tube or punch, and machining an open-end slot in the tips of the jaws.

How it's done:

The connector is assembled, placed between the jaws of the pliers and compressed. While compressed the connectors may be easily twist locked (or unlocked).

Note:

Inquiries concerning this innovation may be directed to:

Technology Utilization Officer
Marshall Space Flight Center
Huntsville, Alabama 35812
Reference: B66-10417

(continued overleaf)

Patent status:

No patent action is contemplated by NASA.

Source: F. Harris
of North American Aviation, Inc.
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Marshall Space Flight Center
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